## **CORRECTION #1**

KOLAR Document ID: 1461981

Confidentiality Requested:

Yes No

## Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

| OPERATOR: License #   | API No.:   |  |  |  |
|---|--|--|--|--|
| Name:   | Spot Description:  |  |  |  |
| Address 1:  | SecTwpS. R   |  |  |  |
| Address 2:  | Feet from North / South Line of Section                  |  |  |  |
| City:   | Feet from _ East / _ West Line of Section                |  |  |  |
| Contact Person:   | Footages Calculated from Nearest Outside Section Corner: |  |  |  |
| Phone: ()   | □NE □NW □SE □SW  |  |  |  |
| CONTRACTOR: License #   | GPS Location: Lat:, Long:                                |  |  |  |
| Name:   | (e.g. xx.xxxxx) (e.gxxx.xxxxx)                           |  |  |  |
| Wellsite Geologist:   | Datum: NAD27 NAD83 WGS84                                 |  |  |  |
| Purchaser:  | County:  |  |  |  |
| Designate Type of Completion:   | Lease Name: Well #:                                      |  |  |  |
| New Well Re-Entry Workover  | Field Name:  |  |  |  |
| □ Oil □ WSW □ SWD   | Producing Formation:                                     |  |  |  |
| Gas DH EOR  | Elevation: Ground: Kelly Bushing:                        |  |  |  |
| □ OG □ GSW  | Total Vertical Depth: Plug Back Total Depth:             |  |  |  |
| CM (Coal Bed Methane)   | Amount of Surface Pipe Set and Cemented at: Feet         |  |  |  |
| Cathodic Other (Core, Expl., etc.):                                   | Multiple Stage Cementing Collar Used? Yes No             |  |  |  |
| If Workover/Re-entry: Old Well Info as follows:                       | If yes, show depth set: Feet                             |  |  |  |
| Operator:   | If Alternate II completion, cement circulated from:      |  |  |  |
| Well Name:  | feet depth to:w/sx cmt.                                  |  |  |  |
| Original Comp. Date: Original Total Depth:                            |  |  |  |  |
| ☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD                  | Drilling Fluid Management Plan                           |  |  |  |
| ☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer                | (Data must be collected from the Reserve Pit)            |  |  |  |
|   | Chloride content: ppm Fluid volume: bbls                 |  |  |  |
| Commingled Permit #:  | Dewatering method used:                                  |  |  |  |
| ☐ Dual Completion         Permit #:           ☐ SWD         Permit #: | Location of fluid disposal if hauled offsite:            |  |  |  |
| EOR   Permit #:   | Location of huld disposal if flauled offsite.            |  |  |  |
| GSW Permit #:   | Operator Name:   |  |  |  |
| _   | Lease Name: License #:                                   |  |  |  |
| Spud Date or Date Reached TD Completion Date or                       | Quarter Sec TwpS. R East West                            |  |  |  |
| Recompletion Date Recompletion Date                                   | County: Permit #:  |  |  |  |

#### **AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

**Submitted Electronically** 

| KCC Office Use ONLY                             |  |  |  |  |
|---|--|--|--|--|
| Confidentiality Requested                       |  |  |  |  |
| Date:   |  |  |  |  |
| Confidential Release Date:                      |  |  |  |  |
| Wireline Log Received Drill Stem Tests Received |  |  |  |  |
| Geologist Report / Mud Logs Received            |  |  |  |  |
| UIC Distribution                                |  |  |  |  |
| ALT I II Approved by: Date:                     |  |  |  |  |

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| Operator Name:  |  |                      |                      |                     | Lease Na                | ame: _                                  |  |                                       | Well #:  |  |
|---|--|----------------------|----------------------|---------------------|-------------------------|---|--|---------------------------------------|--|--|
| Sec Tw  | rpS.   | R [                  | East                 | West                | County:                 |   |  |                                       |  |  |
|   | l, flowing and s   | hut-in pressure      | es, whet             | her shut-in pre     | essure reache           | ed stati                                | c level, hydrosta  | tic pressures, bo                     |  | val tested, time tool erature, fluid recovery, |
| Final Radioactivi files must be sub   |  |                      |                      |                     |                         |   | gs must be ema   | iled to kcc-well-l                    | ogs@kcc.ks.gov   | . Digital electronic log                       |
| Drill Stem Tests -  | Taken<br>tional Sheets)  |                      | Ye                   | s No                |                         |   |  | on (Top), Depth a                     |  | Sample   |
| Samples Sent to   | Geological Su  | irvey                | Ye                   | s No                |                         | Nam                                     | е  |                                       | Тор  | Datum  |
| Cores Taken<br>Electric Log Run<br>Geologist Repor<br>List All E. Logs F              | t / Mud Logs   |                      | ☐ Ye<br>☐ Ye<br>☐ Ye | s No                |                         |   |  |                                       |  |  |
|   |  |                      | Repor                |                     | RECORD conductor, surfa | Ne                                      | w Used   | on, etc.                              |  |  |
| Purpose of St   |  | ze Hole              |                      | Casing              | Weigh                   |   | Setting  | Type of                               | # Sacks  | Type and Percent                               |
|   | 9  | Drilled              | Set                  | (In O.D.)           | Lbs. / F                | t.                                      | Depth  | Cement                                | Used   | Additives                                      |
|   |  |                      |                      |                     |                         |   |  |                                       |  |  |
|   |  |                      |                      |                     |                         |   |  |                                       |  |  |
|   |  |                      |                      |                     |                         |   |  |                                       |  |  |
|   | l  |                      |                      | ADDITIONAL          |                         | 3 / SQL                                 | IEEZE RECORD   |                                       |  |  |
| Purpose:  |  | Depth                | Type                 | of Cement           | # Sacks U               |   |  | Type and                              | Percent Additives  |  |
| Perforate   |  | p Bottom             | 71                   |                     |                         | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |  |                                       |  |  |
| Protect Ca  | TD   |                      |                      |                     |                         |   |  |                                       |  |  |
| Plug Off Z  | one  |                      |                      |                     |                         |   |  |                                       |  |  |
| <ol> <li>Did you perform</li> <li>Does the volume</li> <li>Was the hydraul</li> </ol> | e of the total bas   | e fluid of the hyd   | raulic frac          | cturing treatmer    |                         | _                                       | Yes The second of the second o | No (If No, s                          | kip questions 2 an<br>kip question 3)<br>Il out Page Three ( | •  |
| Date of first Produ   | ction/Injection or   | Resumed Produ        | iction/              | Producing Met       | hod:                    |   |  |                                       |  |  |
| Injection:  | ,  |                      |                      | Flowing             | Pumping                 |   | Gas Lift C   | Other (Explain)                       |  |  |
| Estimated Produc<br>Per 24 Hours  |  | Oil Bbl              | S.                   | Gas                 | Mcf                     | Wate                                    | er B   | bls.                                  | Gas-Oil Ratio  | Gravity  |
| DISPO   | DISPOSITION OF GAS: METHOD OF COMPLETION: PRODUCTION INTERVAL: |                      |                      |                     |                         |   |  |                                       |  |  |
| Vented  | Sold Us  | ed on Lease          | _ o                  | pen Hole            | Perf.                   | _ ,                                     | . —  | nmingled mit ACO-4)                   | Тор  | Bottom   |
| (If vente   | ed, Submit ACO-1   | 8.)                  |                      |                     |                         | (Subitilit                              | ACO-3) (SUD  | IIIII ACO-4)                          |  |  |
| Shots Per<br>Foot   | Perforation<br>Top   | Perforatio<br>Bottom | n I                  | Bridge Plug<br>Type | Bridge Plug<br>Set At   |   | Acid,  | Fracture, Shot, Co<br>(Amount and Kir | ementing Squeeze<br>and of Material Used)                    | Record   |
|   |  |                      |                      |                     |                         |   |  |                                       |  |  |
|   |  |                      |                      |                     |                         |   |  |                                       |  |  |
|   |  |                      |                      |                     |                         |   |  |                                       |  |  |
|   |  |                      |                      |                     |                         |   |  |                                       |  |  |
|   |  |                      |                      |                     |                         |   |  |                                       |  |  |
| TUDICO  |  |                      |                      |                     | <b>.</b>                |   |  |                                       |  |  |
| TUBING RECOR  | D: Size:   |                      | Set At:              |                     | Packer At:              |   |  |                                       |  |  |

| Form      | ACO1 - Well Completion    |  |
|-----------|---------------------------|--|
| Operator  | SNR Kansas Operating, LLC |  |
| Well Name | ANDES 27 2                |  |
| Doc ID    | 1461981                   |  |

## All Electric Logs Run

| CDL  |  |
|------|--|
| COMP |  |
| DLM  |  |
| DIL  |  |

| Form      | ACO1 - Well Completion    |  |
|-----------|---------------------------|--|
| Operator  | SNR Kansas Operating, LLC |  |
| Well Name | ANDES 27 2                |  |
| Doc ID    | 1461981                   |  |

## Perforations

| Shots Per<br>Foot | Perforation<br>Top | Perforation<br>Bottom | BridgePlugTyp<br>e | BridgePlugSet<br>At | Material<br>Record  |
|-------------------|--------------------|-----------------------|--------------------|---------------------|---|
| 1                 | 3105               | 3120                  |                    |                     |   |
| 1                 | 3160               | 3170                  |                    |                     |   |
| 1                 | 3180               | 3190                  |                    |                     |   |
| 2                 | 3200               | 3210                  |                    |                     |   |
| 2                 | 3218               | 3228                  |                    |                     | Frac 3105-<br>3228 w/ 5000<br>gal 15%,<br>90KLB 40/70<br>6800 BBL SW  |
| 2                 | 3250               | 3260                  |                    |                     |   |
| 1                 | 3275               | 3285                  |                    |                     |   |
| 2                 | 3305               | 3315                  |                    |                     |   |
| 2                 | 3340               | 3350                  |                    |                     |   |
| 2                 | 3376               | 3386                  |                    |                     | Frac 3250-<br>3386 w/ 5000<br>gal 15%,<br>90KLB 40/70,<br>6800 BBL SW |

| Form      | ACO1 - Well Completion    |  |
|-----------|---------------------------|--|
| Operator  | SNR Kansas Operating, LLC |  |
| Well Name | ANDES 27 2                |  |
| Doc ID    | 1461981                   |  |

## Casing

| Purpose<br>Of String | Size Hole<br>Drilled | Size<br>Casing<br>Set |    |      | Type Of<br>Cement |     | Type and<br>Percent<br>Additives |
|----------------------|----------------------|-----------------------|----|------|-------------------|-----|----------------------------------|
| Surface              | 12.25                | 8.625                 | 24 | 226  | Class A           | 150 | 2% CaCl                          |
| Production           | 7.875                | 5.5                   | 17 | 3462 | ClassA            | 250 | 2% CaCl                          |
|                      |                      |                       |    |      |                   |     |                                  |
|                      |                      |                       |    |      |                   |     |                                  |

## **Summary of Changes**

Lease Name and Number: ANDES 27 2

API/Permit #: 15-035-24697-00-00

Doc ID: 1461981

Correction Number: 1

Approved By: Karen Ritter

| Field Name                     | Previous Value  | New Value   |
|--------------------------------|---|---|
| Approved Date                  | 03/21/2019  | 06/18/2019  |
| Method Of Completion -<br>Perf | No  | Yes   |
| Producing Method<br>Pumping    | No  | Yes   |
| Save Link                      | //kcc/detail/operatorE<br>ditDetail.cfm?docID=14<br>53824 | //kcc/detail/operatorE<br>ditDetail.cfm?docID=14<br>61981 |